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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,746	09/10/2003	Oliver Horn	008388-7	3402
22204 75	590 04/29/2005		EXAMINER	
NIXON PEABODY, LLP			FORD, JOHN K	
401 9TH STREET, NW SUITE 900 WASHINGTON, DC 20004-2128			ART UNIT	PAPER NUMBER
			3753	
			DATE MAILED: 04/29/2009	DATE MAILED: 04/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/658,746	HORN ET AL.
Office Action Summary	Examiner	Art Unit
	John K. Ford	3753
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a repl If NO period for reply is specified above, the maximum statutory period or - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from to, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. (1) (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 2   2a) This action is <b>FINAL</b> . 2b) This 3) Since this application is in condition for allowarclosed in accordance with the practice under the second seco	s action is non-final. nce except for formal matters, pr	
Disposition of Claims		
4) Claim(s) 1—12-is/are pending in the application 4a) Of the above claim(s) 4—9 is/are withdra  5) Claim(s) is/are allowed.  6) Claim(s) 3, 10 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or Application Papers	wn from consideration.	
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9)☐ The specification is objected to by the Examine 10)☐ The drawing(s) filed on is/are: a)☐ acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Examine	cepted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received.  ts have been received in Applicat  ority documents have been receiv  u (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s)  1) X Notice of References Cited (PTO-892)	0 □ I=u= : - 2	(DTO 442)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) 🔲 Interview Summary Paper No(s)/Mail D	ate
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal 6) Other:	Patent Application (PTO-152)

Applicant's election of the species of figure 1, without traverse, is acknowledged. Applicant has identified claims 1-3 and 10-12 as readable on figure 1.

Applicant's remarks about whether claim 1 is generic are most in light of the election of figure 1. It is submitted however that the "heat source positioned in the heat transfer medium circuit" recitation in claim 1 is implicitly claiming connections to an engine, in so far as the Examiner understands the claims.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 10 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Herta (2002/0100290).

In presenting this rejection the Examiner explicitly incorporated by reference MPEP 2114 and its determination of how functional language regarding intended manners of operation and intended functions are not given patentable weight in claims directed to <u>apparatus</u>.

Herta discloses all of the claimed features of claim 1, including a compressor 21, condenser 22, evaporator 30, a heat source 10, a heat exchanger 17, a heat/cold reservoir 33 and a heating/cooling surface 12, which heats a vehicle interior wall 37 by virtue of fan 13 blowing air through heating/cooling surface 12. Elements 12 and 17 are connected in parallel. Valve 20 controls flow of engine heat transfer medium through element 12. A circulation pump 18 is shown. A second evaporator 25 is shown.

Application/Control Number: 10/658,746

Art Unit: 3753

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3 and 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over the combined teachings of Herta (2002/0100290) and Baier (4,300,720) and optionally Brocx (5,322,217).

Herta discloses all of the claimed features of claim 1, including a compressor 21, a condenser 22, evaporator 30, a heat source 10, a heat exchanger 17, and a heat/cold reservoir 33. No driver's bed heating/cooling surface is disclosed. Herta does disclose a compartment heater 12, however.

Baier teaches a driver's bed plate-type heat exchanger 18 connected in parallel with the compartment heater 10 to permit the sleeper area to be conditioned by the circulating medium (engine coolant).

To have connected a driver's bed plate-type heater in parallel, fluidically, with respect to heater 12 of Herta to permit Herta's system to comfortably condition an over-the-road truck with a sleeper compartment would have been obvious to one of ordinary skill in the art.

Brocx is optionally relied upon to teach the art recognized equivalence of using a main compartment heat exchanger alone (Figure 9) and a main heat exchanger and sleeper unit connected in parallel (Figure 10) thereby reinforcing the teachings of the combination of Herta/Baier discussed above, if there is any question about connecting heaters for different compartments fluidically in parallel with respect to the engine coolant.

Application/Control Number: 10/658,746

Art Unit: 3753

Page 4

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Saperstein shows separate heat exchangers 68 and 69 for the operator's cab and sleeper section connected in parallel via ganged valves 70. Rafalovich discloses a heat/cold reservoir in an over-the-road truck. See Figures 5 and 6.

Any inquiry concerning this communication should be directed to John Ford at telephone number (571) 272-4911.

Ford/PJ

4/25/05

Primary Examiner